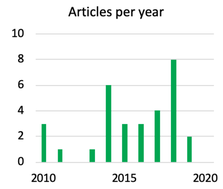
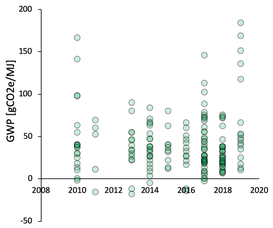
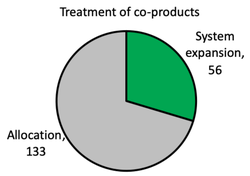
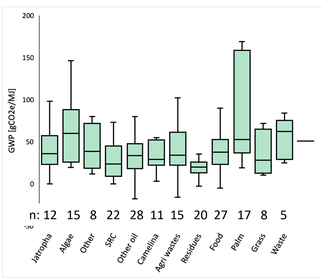
Case study:
Sustainable Aviation Fuel

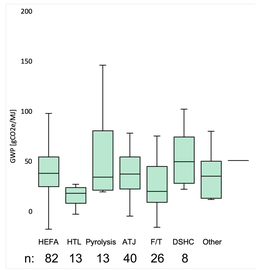
Approximately 50 aviation fuel life-cycle GHG articles including almost 200 scenarios analyzed (converted to consistent scope and units)

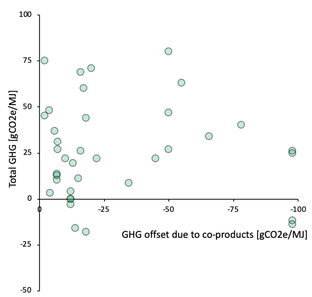


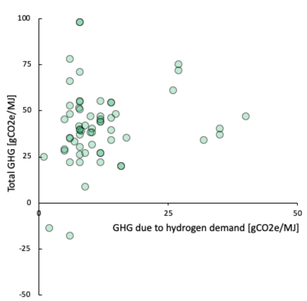






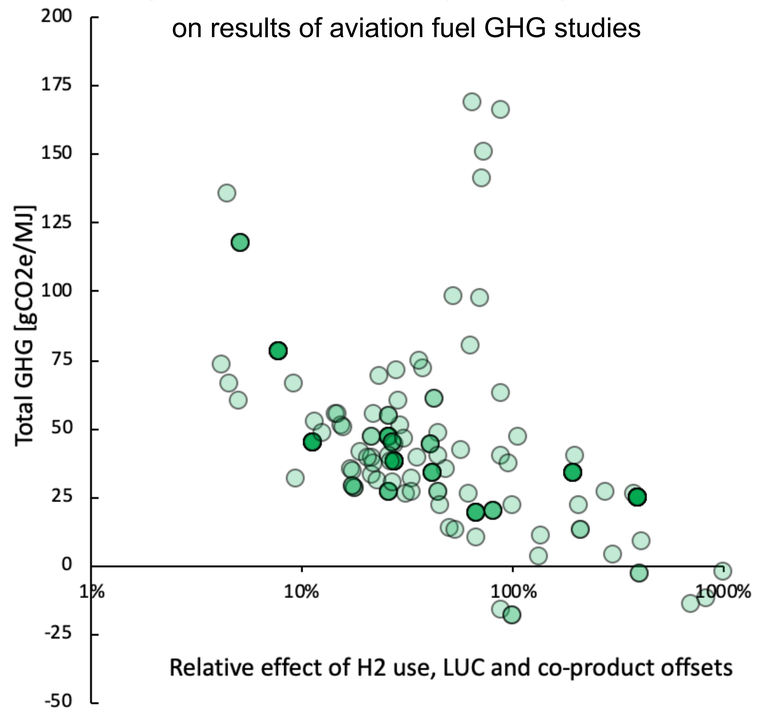






GHG assessment of biofuels should consider **future** projected conditions if used for long-term decision making

Significance of factors likely to change in future on results of aviation fuel GHG studies



Key areas of sensitivity identified:

Treatment of co-products

Will the value, utility and route to create co-products remain the same?

Impacts of inputs

Notably hydrogen, electricity, heating and transport

What will the impacts of these inputs be in the future?

Which impacts are harder to mitigate?

Land Use Change

Applying land use change impacts consistently

How might these impacts change at scale?

Functional units

Biomass resources are a potential constraint.

Possibly:
What is the most effective use of this potential?
rather than:
What is the best biomass option to meet this need?

Supergen Bioenergy

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